

Electronic Supplementary Material

ESM Table S1. Calcification rates for the reef coral *Siderastrea siderea* and crustose coralline algae (CCA) communities at four sites in the Florida Keys, U.S.A, from May 2010 until May 2012. Sample size (*N*), mean, and standard error (SEM) are reported.

Site	Time interval	Coral calcification (mg cm ⁻² d ⁻¹)			CCA calcification (mg cm ⁻² d ⁻¹)		
		<i>N</i>	Mean	SEM	<i>N</i>	Mean	SEM
Pulaski Shoal N 24° 41.613' W 82° 46.368'	Summer 2010	10	4.12	0.33	10	0.132	6.8E-03
	Winter 2011	10	2.75	0.28	10	0.080	5.0E-03
	Summer 2011	9	4.50	0.43	9	0.076	4.5E-03
	Winter 2012	9	2.85	0.48	9	0.082	5.8E-03
Sombrero Key N 24° 37.612' W 81° 06.536'	Summer 2010	10	2.67	0.22	9	0.229	0.018
	Winter 2011	10	1.84	0.16	10	0.171	0.014
	Summer 2011	10	3.12	0.20	9	0.193	0.019
	Winter 2012	10	2.01	0.12	10	0.157	0.015
Molasses Reef N 25° 00.628' W 80° 22.518'	Summer 2010	8	2.73	0.22	10	0.154	0.014
	Winter 2011	8	2.02	0.25	10	0.156	9.9E-03
	Summer 2011	10	3.09	0.15	10	0.129	0.013
	Winter 2012	10	1.94	0.13	10	0.144	8.3E-03
Fowey Rocks N 25° 35.425' W 80° 05.736'	Summer 2010	10	2.95	0.33	10	0.089	4.8E-03
	Winter 2011	10	2.25	0.30	10	0.106	4.5E-03
	Summer 2011	10	2.83	0.23	10	0.074	4.7E-03
	Winter 2012	10	1.38	0.14	10	0.083	5.0E-03